the places where the Images of the blew and red parts of the coloured Paper appeared moſt diſtinct. Thoſe places I eaſily knew by the Images of the black Lines which I had made by winding the Silk about the Paper. For the Images of thoſe fine and ſlender Lines (which by reaſon of their blackneſs were like Shadows on the Colours) were confuſed and ſcarce viſible, unleſs when the Colours on either ſide of each Line were terminated moſt diſtinctly. Noting therefore, as diligently as I could, the places where the Images of the red and blew halfs of the coloured Paper appeared moſt diſtinct, I found that where the red half of the Paper appeared diſtinct, the blew half appeared confuſed, ſo that the black Lines drawn upon it could ſcarce be ſeen; and on the contrary where the blew half appeared moſt diſtinct the red half appeared confuſed, ſo that the black Lines upon it were ſcarce viſible. And between the two places where theſe Images appeared diſtinct there was the diſtance of an Inch and a half: the diſtance of the white Paper from the Lens, when the Image of the red half of the coloured Paper appeared moſt diſtinct, being greater by an Inch and an half than the diſtance of the ſame white Paper from the Lens when the Image of the blew half appeared moſt diſtinct. In like Incidences therefore of the blew and red upon the Lens, the blew was refracted more by the Lens than the red, ſo as to converge ſooner by an Inch and an half, and therefore is more refrangible.

Fig. 12. *Illuſtration.* In the Twelfth Figure, D E ſignifies the coloured Paper, D G the blew half, F E the red half, M N the Lens, H J the white Paper in that place where the red half with its black Lines appeared diſtinct, and *h i* the ſame Paper in that place where the blew half appeared diſtinct. The place *h i* was nearer to the Lens M N than the place H J by an Inch and an half. *Scholium.*

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